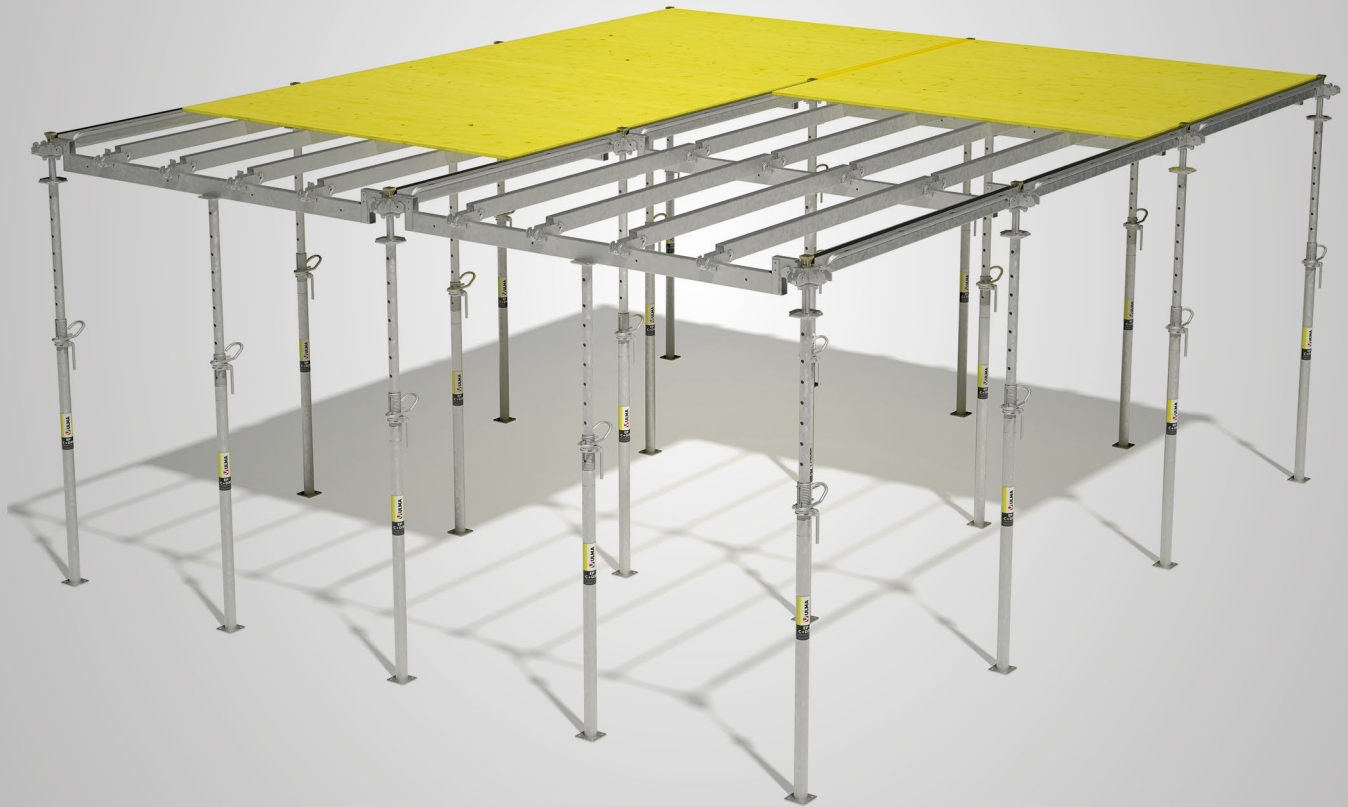




ONADEK

RECOVERABLE MODULAR FORMWORK

The new era in
forming decks







ONADEK is a high-performing slab formwork system with easy assembly and maximum flexibility designed for the building sector.

Ideal for making any type of slab, including those with complex geometries that incorporate drop beams, columns or shearing walls.



Join the new era in forming decks and take advantage of all its benefits

Time Saved

As a lightweight modular system, assembly is systematic and intuitive, minimizing the possibility of error. Early striking of the main structure is made possible thanks to the ONADEK drophead system, allowing the equipment to be recovered after 3 days so that it can be used in the next level.

Costs Lowered

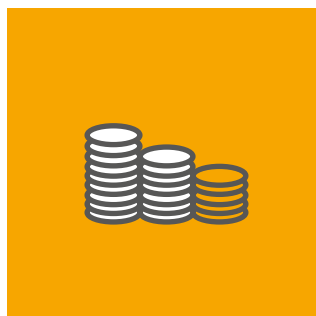
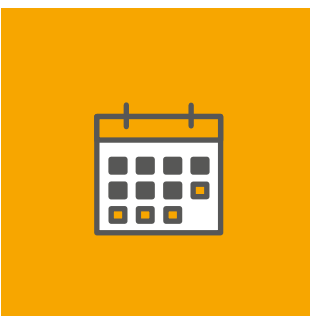
Less equipment needed, lower delivery costs, lower labour costs and less damage with lower maintenance costs make the ONADEK a leader in cost-effective shoring systems.

Improved Safety

Components are easy to move by hand, allowing for a hang-and-raise. This, together with dropheads that make for a safe stripping process, and an open and clean ground area, puts this system at the forefront of safety.

Highly Durable

Robust components in high-strength galvanised steel paired with the ability to dismantle systematically without components falling to the ground are what make this system long-lasting with a low replacement rate.





Less equipment on site means less equipment on the truck, less time using the crane and savings on the final bill.

Boards. A variety and different thicknesses for different markets:

- Three-layer plywood: 2.5 m x 0.5 m
- Phenolic plywood: 2.5 m x 1.25 m
- Phenolic plywood: 8' x 4' (2.44 m x 1.22 m)

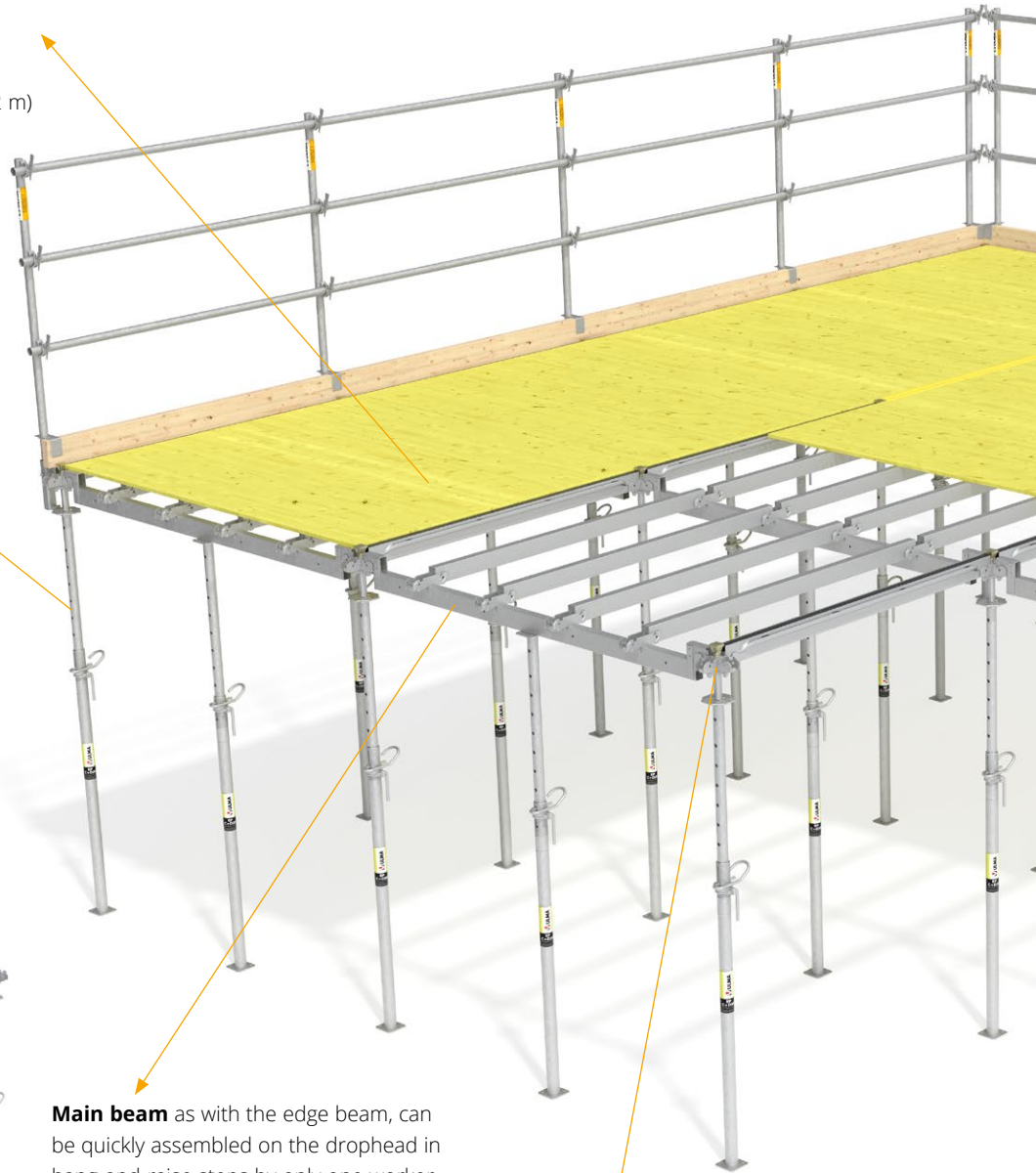
Low **propping** rate:

- For pouring: **0.4 props/m²**
- For repropping: 0.2 props/m²

After stripping, half of props remain as supporting props together with the dropheads and the other half are cycled to the next pours.

Basic grid dimensions:

- 2.5 x 2 m grid
- 8' x 2 m grid

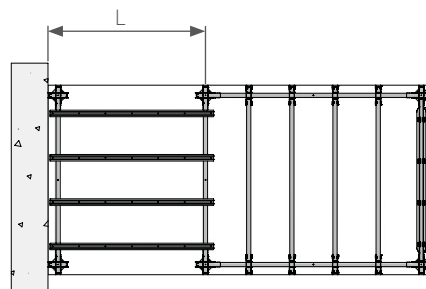


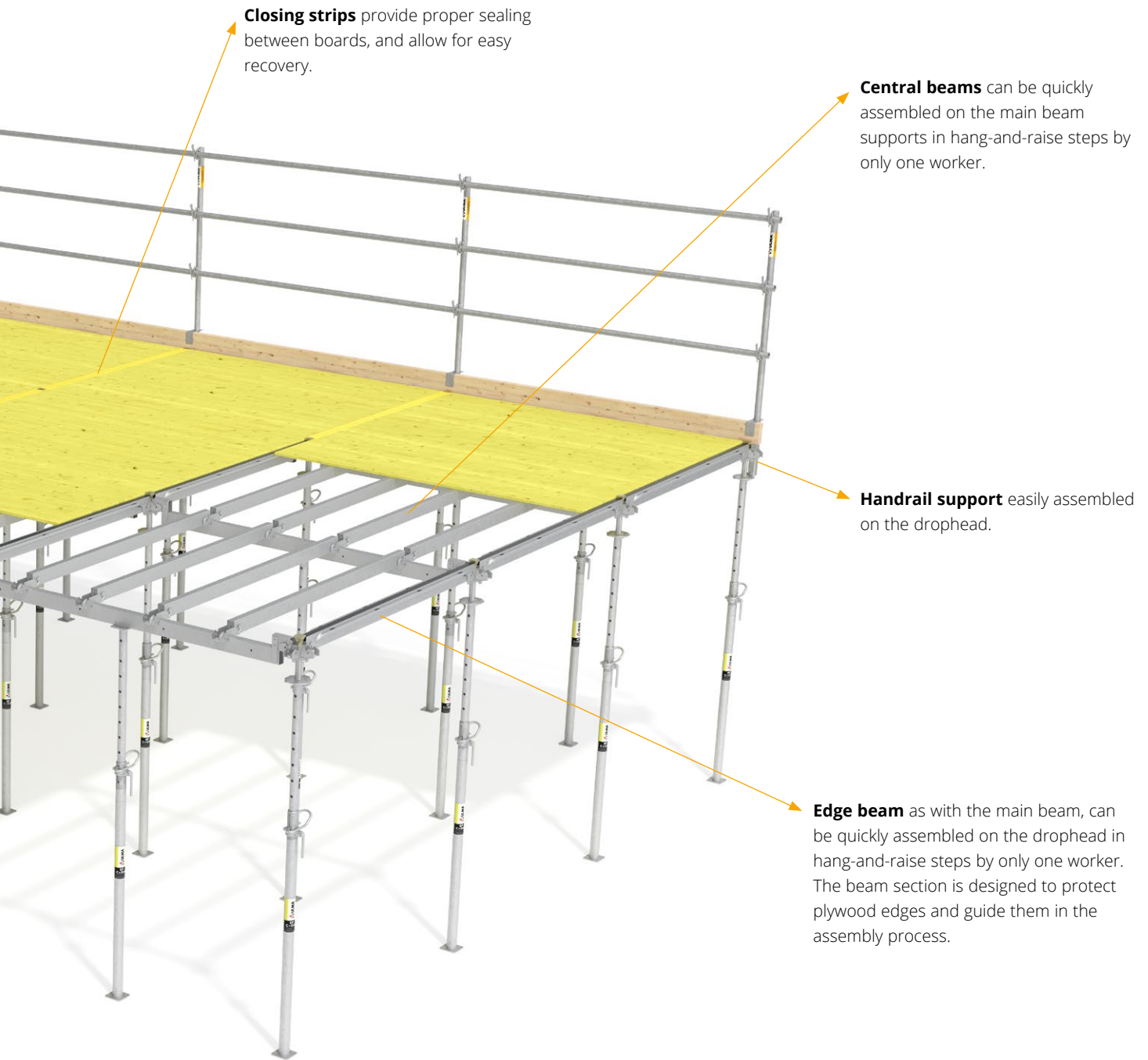
Main beam as with the edge beam, can be quickly assembled on the drophead in hang-and-raise steps by only one worker. The geometry of the main beam allows to overlap infilling beams or lying timber beams to cover any distance.

The **Drophead** makes ONADEK an early striking system. The main beams and edge beams that are part of the basic grid are supported on this head.

• Striking sequence

Easy to remove elements. They are dropped down 12 cm from the deck.





Pouring position

Striking position



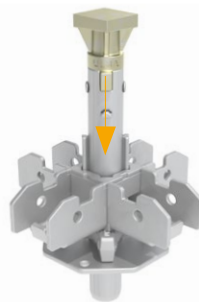
Hitting the wedge



Turn of the wedge



Drop of the wedge



Drop of the formwork



Both modular and flexible systems' advantages all in one: ONADEK

High-speed assembly and dismantling

Modular system

As a modular system, the assembly is systematic and intuitive. Quick and basic training process.

Lightweight components that can be easily hung and raised by only one worker.

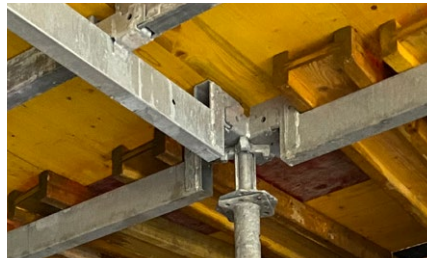
Designed to minimize the possibility of assembly mistakes.



Flexible system

Adaptable to any kind of geometry, solutions for starts and all kind of infillings (columns, walls, hang beams, capitals...).

Possibility to overlap lying timber beams.



PATENTED: Innovative overlapping metallic beams.



Early equipment reutilization

Most of the formwork can be dismantled and reused on the third day, leaving the drophead together with its prop as the only remaining system components.





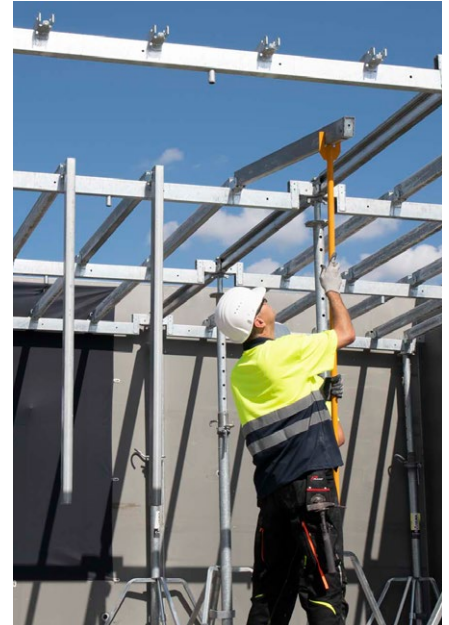
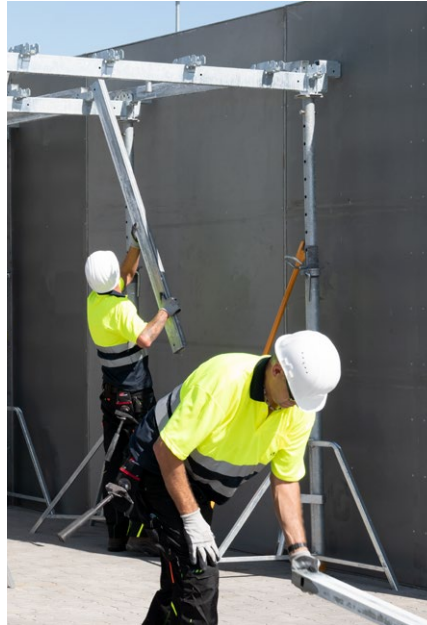
When safety becomes productivity

Collective safety

Assembly and dismantling **from the bottom up.**

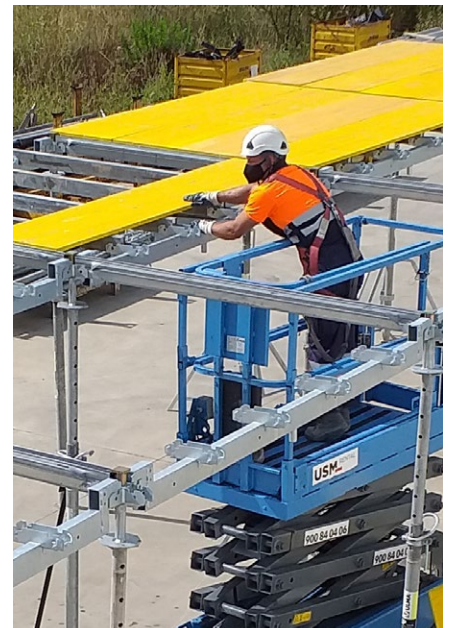
A wide grid width and open-plan makes the workspace more ample and safe.

High stability grid due to the strong connection between all individual parts.



Drophead system

Easy and safe stripping due to the drophead system, which drops the deck by 12 cm, without letting it fall to the ground.



Ergonomics

Lightweight elements easily manipulated by hand. Just hang and raise.

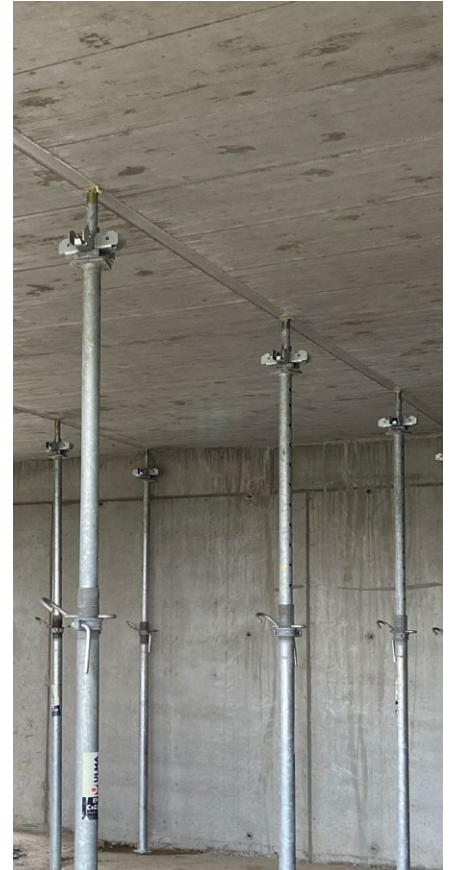
Moving less weight overall decreases the worker's labour.



Less equipment needed to execute same area

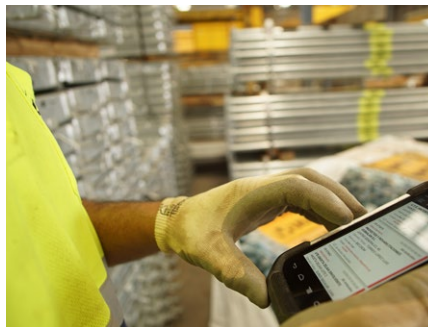
Up to 50% savings on equipment compared to a traditional timber beam system, thanks to early striking; also on plywood.

More free time for the crane to dedicate to other activities, due to lower requirements for the movement of packages on site.



Delivery savings

Less equipment needed on site means less equipment per truck, so savings on delivery.





Less damage and low maintenance

From deck to pallet

After the system is stripped by early drophead striking, the material goes from the deck directly to the pallet, without dropping it down to the ground.

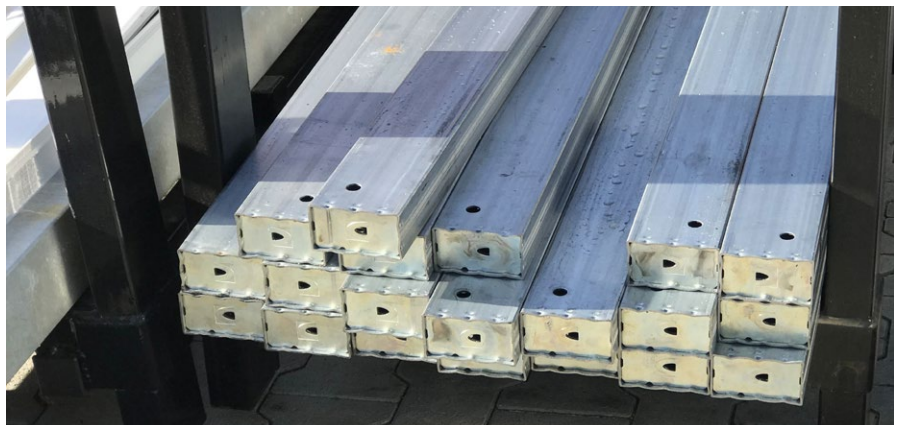


Long-lasting equipment

Robust components in high-strength galvanised steel, protected against the damage of impact.

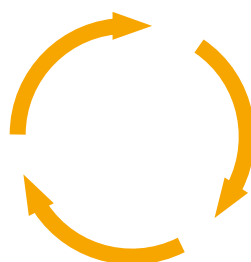
Less damage to plywood thanks to a system protected edges and no need for nailing.

Avoids extra replacement costs for scrap timber beams, compared to traditional timber beam systems.



Commitment to sustainability

Developing long-lasting systems and components with the highest reuse rate possible is a strategic goal for ULMA. This is why ONADEK brings great value in this respect, being a truly sustainable system.





Starting at a wall

Simple assembly set-up from the corner of the wall, with standard parts and with full size board.



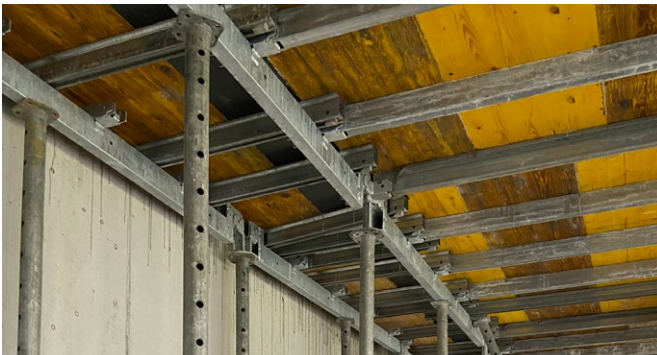
Infilling around the column

Extensive infilling possibilities around the column for any column dimension in any position on the slab.



Infilling along the wall

Maximum flexibility for adapting to any wall dimension or geometry by overlapping infilling beams.



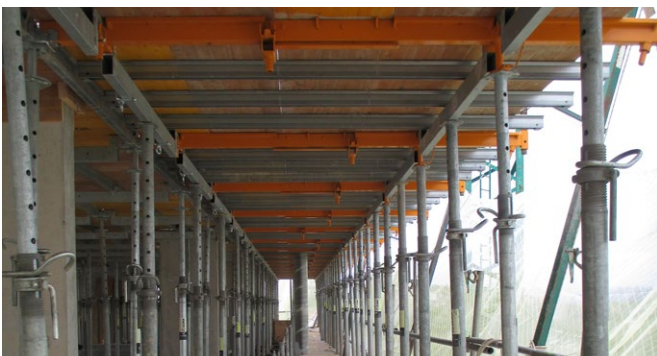
VM-20 compatible

System specially designed to be compatible with VM-20 timber beams in infilling areas.



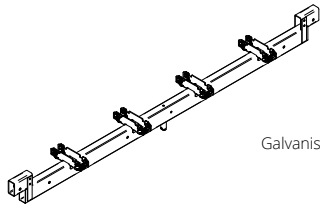
Cantilevers

Safe, simple solutions for perimeter areas through the use of cantilever beams.



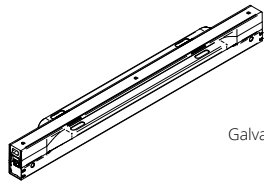


BEAMS		
Main beam 4' ODK (2S)	2230604	9.6
Main beam 1.25 ODK (2S)	2230605	9.8
Main beam 8' ODK (4S)	2230608	17.4
Main beam 2.5 ODK (4S)	2230610	17.7
Main beam 2 ODK (3S)	2230607	14.3



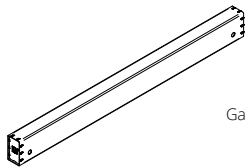
Galvanised steel

Edge beam SS 2 ODK	2230240	16.4
Edge beam SS 1.5 ODK	2230235	12.4
Edge beam SS 1.02 ODK	2230230	7.8



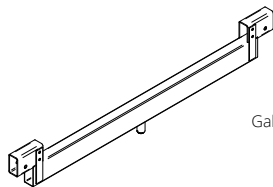
Galvanised steel

Central beam 2 ODK	2230120	8.3
Central beam 1.5 ODK	2230115	6.2
Central beam 1.02 ODK	2230110	4.2



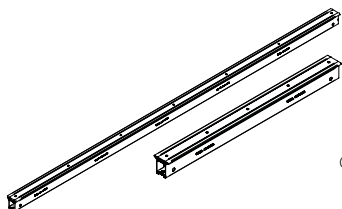
Galvanised steel

Flex beam 2 ODK	2230320	10.8
Flex beam 1.5 ODK	2230315	8.6
Flex beam 1.02 ODK	2230310	6.3



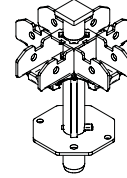
Galvanised steel

Cantilever infilling beam 2.67 ODK	2230440	18.6
Infilling beam 2 ODK	2230420	14.4
Infilling beam 1.5 ODK	2230415	11.2
Infilling beam 1.02 ODK	2230410	8.1



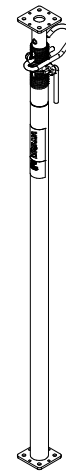
Galvanised steel

DROPHEADS		
Drophead 21 ODK	2230350	5.5
Drophead 18 ODK	2230280	5.5



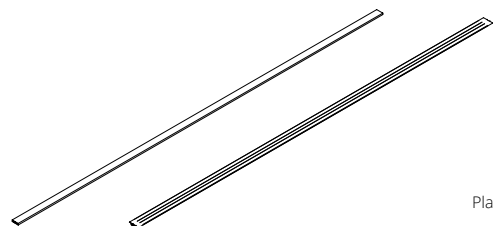
Galvanised steel

PROPS		
SP B30 Prop	2200230	14.6
SP B35 Prop	2200235	16.2
SP B40 Prop	2200240	18.1
SP B50 Prop	2200250	25.1
EP C25	2200048	14.7
EP C+D30	2200000	16.6
EP C+D35	2200068	21.3
EP C+D40	2200012	23.7
EP C+D45	2200084	29.1
EP C+D50	2200057	31.7
EP C+E30	2200023	19
EP C+E35	2200092	23.9
EP C+E40	2200033	26.4



Galvanised steel

CLOSING STRIPS		
Closing strip SLD 18 ODK 2 m	2230152	1
Closing strip SLD 21 ODK 2 m	2230162	1.1
Closing strip wings SLD 21 ODK 2 m	2230172	1.5
Closing strip SLD 18 ODK 3 m	2230150	1.5
Closing strip SLD 21 ODK 3 m	2230160	1.8
Closing strip wings SLD 21 ODK 3 m	2230170	2



Plastic



It's **all** about **trust**

www.ulmaconstruction.com

ULMA C y E, S. Coop.
Ps. Otadui, 3 - P.O. 13
20560 Oñati, Spain
T. +34 943 034 900
F. +34 943 034 920



IMPORTANT:

Any safety provisions as directed by the appropriate governing agencies must be observed when using our products. The pictures in this document are snapshots of situations at different stages of assembly, and therefore are not complete images. For the purpose of safety, they should not be deemed as definitive. All of the indications regarding safety and operations contained in this document, and the data on stress and loads should be respected. ULMA's Technical Department must be consulted anytime that field changes alter our equipment installation drawings. The loads featured in this document, related to the basic elements of the product, are approximate. Our equipment is designed to work with accessories and elements made by our company only. Combining such equipment with other systems is not only dangerous but also voids any or all our warranties. The company reserves the right to introduce any modifications deemed necessary for the technical development of the product. All rights reserved. Neither all nor part of this document may be reproduced or transmitted in any way by any electronic or mechanical procedure, including photocopy, magnetic recording or any other form of information storage or retrieval system without the written permission.
© Copyright by ULMA C y E, S. Coop

06F377ENM